To: Breslin, Colin[breslin.colin@epa.gov]; Ramaly, Todd[ramaly.todd@epa.gov]; Lambesis, Christopher[lambesis.christopher@epa.gov]
Cc: Mitsakopoulos, Greg[mitsakopoulos.greg@epa.gov]; Swan, Kathleen[swan.kathleen@epa.gov]; Awanya, Francis[awanya.francis@epa.gov]; Schupp, George[schupp.george@epa.gov]; Argentieri, Sabrina[argentieri.sabrina@epa.gov]; Kane, Eleanor[kane.eleanor@epa.gov]
From: Downey, Shannon
Sent: Mon 11/4/2013 10:13:09 PM
Subject: RE: Veolia 1310005
CPT 2013 Waste Profiles.pdf
40CFR63 EEE MACT.doc

;;;;;
Colin, Greg, et al,

I have attached the profiles of the waste that the company submitted to us. These are basically summaries of the different wastes that were blended together during the CPT. They should hopefully answer most of your questions, except the density. I need to get back to you on that. I do not know the proportions that these were added/mixed, but could potentially find out if you needed me to.

With regards to your question about what limits to use, you are correct that we are looking at the MACT. I have included a searchable version of that as well for you to reference.

Let me know if you have additional questions. I will do my best to answer them. Sorry I didn't get back to you sooner. I was out of the office last week, and was unable to turn on my out of office notification.

Shannon Downey
Environmental Engineer
Air Enforcement & Compliance Assurance Branch
U.S. Environmental Protection Agency, Region 5, (AE-17J)
77 W. Jackson Blvd
Chicago, IL 60604

Tel: (312) 353-2151
Fax: (312) 385-5398

From: Breslin, Colin
Sent: Wednesday, October 30, 2013 9:14 AM
To: Ramaly, Todd; Lambesis, Christopher; Downey, Shannon
Cc: Mitsakopoulos, Greg; Swan, Kathleen; Awanya, Francis; Schupp, George
Subject: FW: Veolia 1310005

Hello,

We have begun work on the Veolia samples, and they are definitely interesting. Can you please provide as many answers as possible to Greg Mitsakopoulos' questions below? I am working on the mercury analysis and have a few of the same questions. It will greatly help our analytical work.

In regards to the mercury analysis. I began preparing all of the liquid samples with our water SOP. The samples designated as mercury spikes can be analyzed by the water SOP, but based on my preparation observations of the other liquid samples (which I'm presuming are all non-aqeous) I will not be able to use the mercury water SOP. My next attempt will be to perform the analysis by the soil SOP, which will use ~0.5 g of liquid. Without knowing the liquid density the reporting units will be mg/kg. As in Greg's question below, are units of mg/kg acceptable or does the density need to be determined for units of mg/L?

Please let us know, thanks,

Colin Breslin

Chemist & Acting Sample Coordinator

U.S. EPA Chicago Regional Lab

536 S. Clark St. (ML-10C)

Chicago, IL 60605

312-886-2912

From: Mitsakopoulos, Greg
Sent: Tuesday, October 29, 2013 2:55 PM
To: Breslin, Colin
Cc: Swan, Kathleen; Awanya, Francis
Subject: Veolia 1310005

Colin,

Can you ask our client:

Any information they can furnish regarding the make-up of the solid samples and the liquid samples would be most helpful. I don't believe this info. is in the QAPP or SAP.

*Which of the liquids are aqueous? Which are mostly organic? Are some of them "Previcur", as noted in the meeting?

*Are the soils actually soil?

*I appreciated the "high Cr" and "high Pb" notations, but is there any idea of their approximate level- are we talking percent-level, or ppm-level?

*Are any other remarks available?

*Mention that Metals Group plans on using our regular METALS025 hotblock technique on samples that are actually aqueous. We plan to proceed as requested on the organic samples to digest with METALS034/ 3050B hotplate & beaker.

What are the desired reporting units for the liquid samples? We'd need to acquire the density to convert client-requested liquids-digested-as-solids from mg/kg to ppm.

What are the desired analytes and reporting limits? We will do our best to meet them, subject to the 0.5 g -> 50 mL implicit in the client-requested 3050B digestion, and the need for us to protect our instruments. We were told at the planning meeting that As, Be, Cd, Cr and Pb were desired, and that desired reporting limits would follow. I don't believe this info. in the QAPP or SAP. The QAPP makes mention of the Clean Air Act Maximum Available Control Technology (CAA MACT). Perhaps that's the reference that we are to use?

Thanks,

Greg

Greg Mitsakopoulos

US EPA Chicago Regional Laboratory

536 S. Clark St., ML-10C

Chicago, IL 60605-1509

(312) 353-0377

mitsakopoulos.greg@epa.gov